



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

### Air Quality - Part 70 Operating Permit Amendment

**Facility Name:** U.S. Silica Company  
**Facility Address:** 3949 Highway 17 S  
Millen, Georgia 30442 (Jenkins County)  
**Mailing Address:** 3949 Highway 17 S  
Millen, Georgia 30442  
**Parent/Holding Company:** U.S. Silica Company  
**Facility AIRS Number:** 04-13-165-00012

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

**Install and operate one raw material sand silo and associated conveying equipment.**

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. **3295-165-0012-V-03-0**. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. **TV-641704** dated **March 7, 2022**; any other applications upon which this Amendment or Permit No. **3295-165-0012-V-03-0** are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 6 pages.



Richard E. Dunn, Director  
Environmental Protection Division

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**PART 1.0 FACILITY DESCRIPTION**

**1.3 Process Description of Modification**

U.S. Silica Company is proposing to install and operate one raw material sand silo and associated conveying equipment to allow for increased storage required in part by potential transportation and supply chain issues. The proposed silo will store raw sand and the conveying equipment will be used to transfer the sand between the new silo and other process equipment. Emissions from the new equipment will be controlled by existing control devices.

In addition, U.S. Silica is requesting several nomenclature changes due to errors in the current version of the permit. However, the nomenclature used for the baghouses in the permit needs to be updated in order for it to be listed correctly.

**PART 3.0 REQUIREMENTS FOR EMISSION UNITS**

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

**3.1.1 Additional Emission Units**

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
SD01	Spray Dryer No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart UUU 112(g) case-by-case MACT, 40 CFR 63, Subpart B	SB01, SB02, SB03, SB04	Baghouses
SD02	Spray Dryer No. 2		SB05, SB06, SB07, SB08	Baghouses
KLN1	Kiln No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart UUU 112(g) case-by-case MACT, 40 CFR 63, Subpart B	KB01, KB02, KB03, KB04	Baghouses
			137	Emergency Exhaust Damper
DSB1	Spray Dryer No. 1 Feed Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	GPB1	<b>Kiln No. 1 Green Pellet Nuisance Dust Baghouse 1</b>
DUB1	Spray Dryer No. 1 Unders Bin			
DSB2	Spray Dryer No. 2 Feed Bin			
DUB2	Spray Dryer No. 2 Unders Bin			
BEC1	Kiln No. 1 Bucket Elevator Conveyor			
GTC1	Green Pellet Transfer Conveyor No. 1			
GEC1	Kiln No. 1 Green Bucket Elevator			
GPE2	Rescreen Bucket Elevator			
CH1	CRG Hopper No. 1			
CSC1	Green Screen No. 1-1			
CSC2	Green Screen No. 1-2			
CSC3	Green Screen No. 1-3			
CVF1	Crusher Vibrating Feeder			
CRG2	CRG Roll Crusher			

# Title V Permit Amendment

U.S. Silica Company

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OBC1	Oversize Collection Belt Conveyor No. 1			
ORB1	Oversize Surge Bin No. 1			
RSH1	Rescreen Surge Hopper			
UVC1	Unders Collection Vibratory Conveyor No. 1			
URC1	Under Reversible Belt Conveyor No. 1			
KFE1	Kiln No. 1 CRG Feed Bin Bucket Elevator			
KRE1	Kiln #1 Recycle Feed Bin B Elevator			
KC1	Kiln No. 1 CRG Crusher			
AVC1	Accepts Vibratory Conveyor No. 1			
WBF1	Kiln No. 1 CRG Weigh Belt Feeder No. 1	<p>391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO</p>	GPB2	<p><b>Kiln No. 1 Green Pellet Nuisance Dust Baghouse 2</b></p>
WBF2	Kiln No. 1 CRG Weigh Belt Feeder No. 2			
KFB1	Kiln No. 1 CRG Feed Bin No. 1			
KRB1	Kiln No. 1 CRG Refire Bin			
KFC1	Kiln #1 Feed Conveyor			
KFB2	Kiln No. 1 Cristobalite Feed Bin No. 1			
KRB2	Kiln No. 1 Cristobalite Feed Bin No. 2			
KRE2	Kiln No. 1 Cristobalite Feed Bucket Elevator			
KFC2	Kiln No. 1 Cristobalite Silo Conveyor			
KM2	Kiln No. 1 Cristobalite Mixer Feed Conveyor			
KM3	Kiln No. 1 Cristobalite Flux Mixer			

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WBF3	Kiln No. 1 Cristobalite Weigh Belt Feeder No. 1			
WBF4	Kiln No. 1 Cristobalite Weigh Belt Feeder No. 2			
206-BCV-835*	Raw Sand Transfer Conveyor			
206-BCV-855*	Raw Sand Feed Belt Conveyor 1			
206-BCV-860*	Raw Sand Feed Belt Conveyor 2			
WBF1	Kiln No. 1 CRG Cooler Bucket Elevator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	KNB1	Baghouse
KPS1	Kiln No. 1 CRG Product Screen			
KQC1	Kiln No. 1 Product QC Bin A			
KQC2	Kiln No. 1 Product QC Bin B			
KCE2	Kiln No. 1 Cristobalite Cooler Bucket Elevator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	KNB2	Kiln No. 1 Cristobalite Nuisance Baghouse 2
KPS2	Kiln No. 1 Cristobalite Product Screen			
KQC5	Kiln No. 1 Cristobalite Product QC Bin A			
KQC6	Kiln No. 1 Cristobalite Product QC Bin B			
KCS3	Kiln No. 1 Cristobalite Product Screen DPCS			
KCS4	Kiln No. 1 Cristobalite Fines Screen DPCS			
COSC1	Crossover Screw Conveyor			
BLR1	Boiler No. 1	391-3-1-.02(2)(d) 391-3-1-.02(2)(d) 40 CFR 63, Subpart DDDDD 112(g) case-by-case MACT, 40 CFR 63, Subpart B	N/A	N/A
EDG1	Emergency Generator No.1	391-3-1-.03(6)(b)(v)(11)(1)	N/A	N/A
		40 CFR 63, Subpart ZZZZ		

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EDG2	Emergency Generator No.2	40 CFR 60, Subpart IIII		
TL1	Truck Loadout No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	PLB1	Baghouse
KLE1	Kiln No. 1 Loadout Belt/Bucket Elevator			
KLC1	Kiln No. 1 CRG Loadout Conveyor			
KLC2	Kiln No. 1 Cristobalite Loadout Conveyor No. 1			
KLC3	Kiln No. 1 Cristobalite Loadout Conveyor No. 2			
BS11	Bulk CRG Product Silo 1-1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	BB11	Bin Vent Filter
BS12	Bulk CRG Product Silo 1-2		BB12	Bin Vent Filter
BS13	Bulk CRG Product Silo 1-3		BB13	Bin Vent Filter
BS14	Bulk CRG Product Silo 1-4		BB14	Bin Vent Filter
BS21	Bulk Cristobalite Product Silo 1-1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	BB21	Bin Vent Filter
BS22	Bulk Cristobalite Product Silo 1-2		BB22	Bin Vent Filter
BS23	Bulk Cristobalite Product Silo 1-3		BB23	Bin Vent Filter
BS24	Bulk Cristobalite Product Silo 1-4		BB24	Bin Vent Filter
AS01	PVA Silo No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	AB01	Bin Vent Filter
KS2	Kiln No. 1 Cristobalite Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	CSB1	Bin Vent Filter
206-SIL-840**	Raw Sand Silo 2			
STR	Sand Truck Receiving	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	N/A	N/A
KTR1	Kiln No. 1 Cristobalite Truck Receiving Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	N/A	N/A

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KSBE1	Kiln No. 1 Cristobalite Silo Bucket Elevator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	N/A	N/A
KQC3	Kiln No. 1 QC Bin Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	CDB1	Baghouse
MBE1	Mixing Bucket Elevator			
KM1	Kiln No. 1 CRG Mixer			
KB1	Kiln No. 1 CRG Binder			
KBBE1	Kiln No. 1 Bagging Bucket Elevator No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(n) 391-3-1-.02(2)(p)1 40 CFR 60, Subpart OOO	PSB1	Baghouse
KSB1	Kiln No. 1 CRG Storage Bin No. 1			
CSS1	Coating Dryer Scalping Screen			
KBBE2	Kiln No. 1 Bagging Bucket Elevator No. 2			
KSB2	Kiln No. 1 CRG Storage Bin No. 2			

**\*\* New equipment to be constructed with this project.**

\* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.